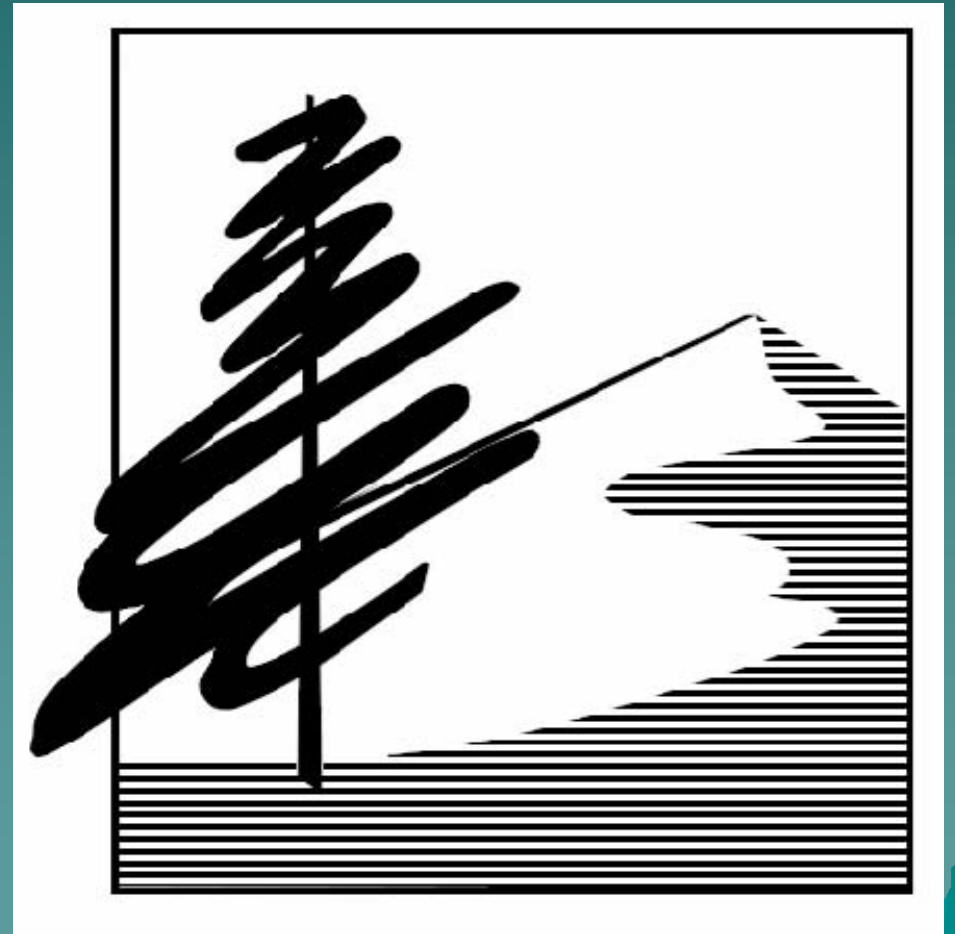



Center for Natural Lands Management

The Center is a 501(c)3 nonprofit corporation created in 1990 to protect and preserve biological resources through the long-term stewardship of mitigation and conservation lands.



Basics about the Center


- ◆ Main office in Fallbrook, satellite offices throughout California.
 - ◆ We manage over 50,000 acres state wide.
 - ◆ Current endowments of about \$45 million
 - ◆ Current San Diego endowment total is about \$10 million.
 - ◆ Current endowment total for Carlsbad is about \$5 million
 - ◆ Three Preserve Managers and part-time rangers in San Diego
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text area.

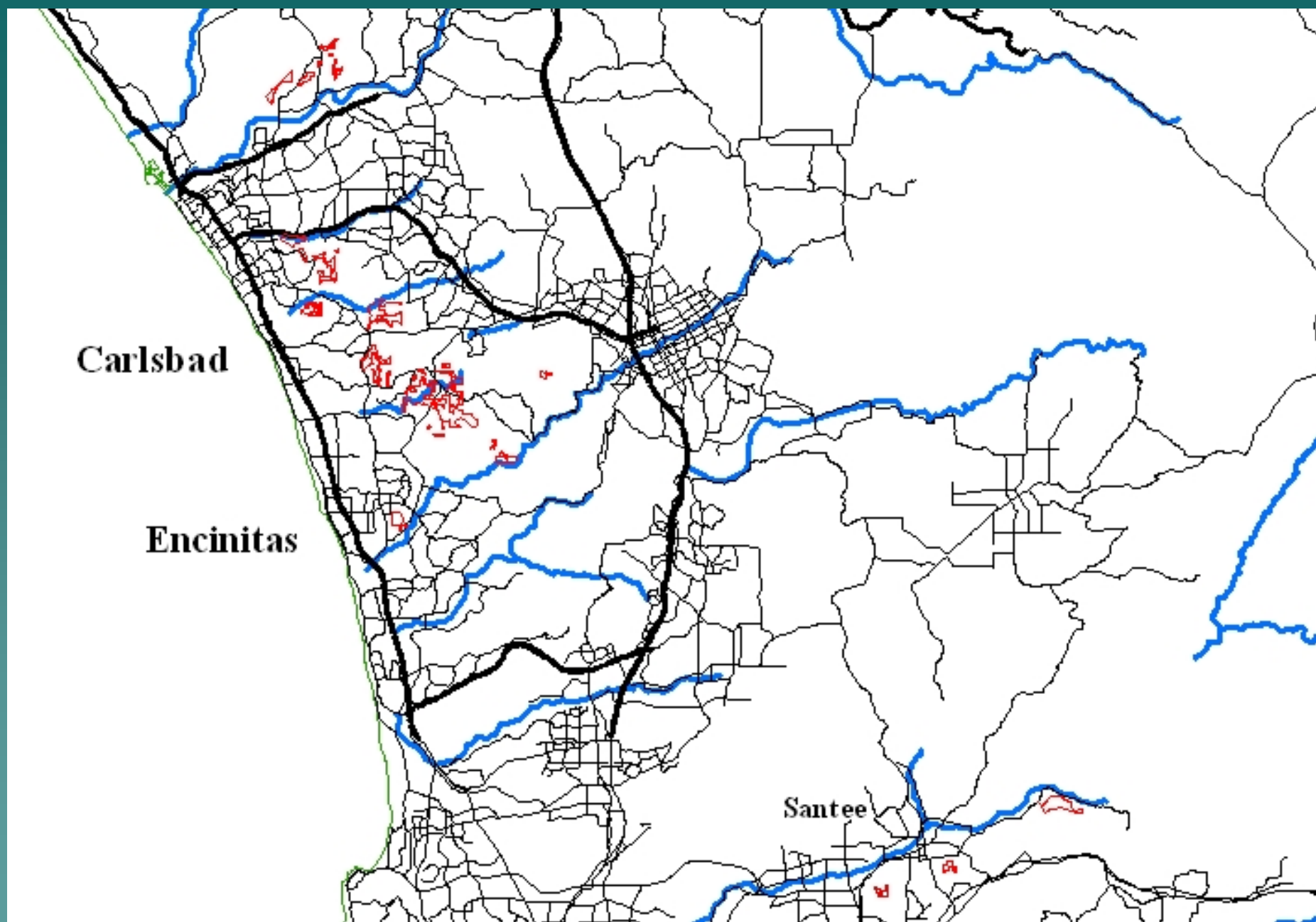
San Diego

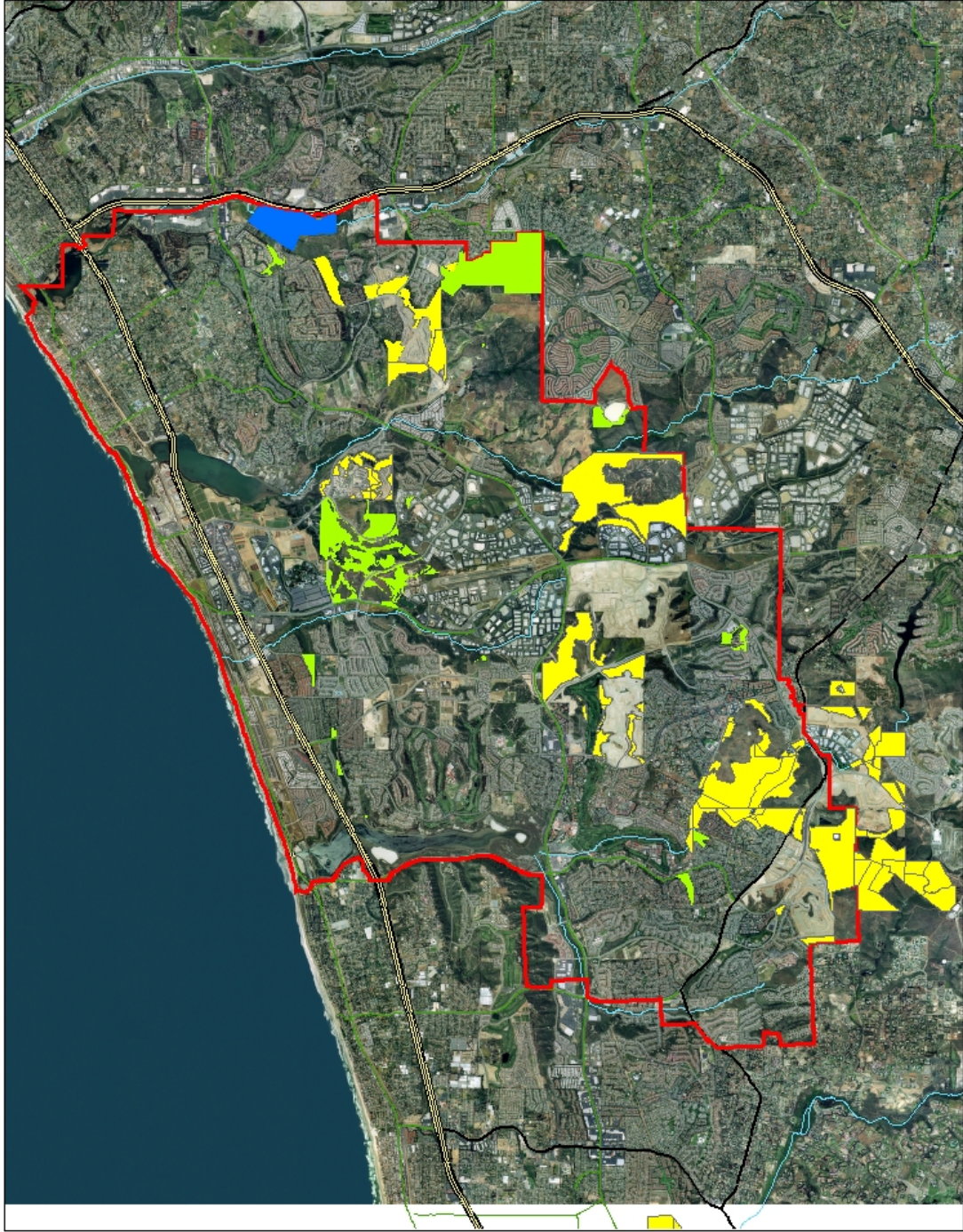
- ◆ We manage close to 4,000 acres in San Diego, from Oceanside to Lakeside.
- ◆ All lands managed by the Center are set aside by the current land conservation process, except BV Creek.



Acknowledgements

- ◆ Wildlife agencies
 - ◆ City of Carlsbad
 - ◆ Boy Scouts
 - ◆ San Elijo Lagoon Cons/Invasive Species Program
 - ◆ San Diego Mtn Biking Association
 - ◆ Preserve Calavera and many other volunteers
 - ◆ RECON Environmental, Inc.
 - ◆ San Diego Wildlife Tracking Team
 - ◆ Our hard working staff!
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, extending from the right edge towards the center.









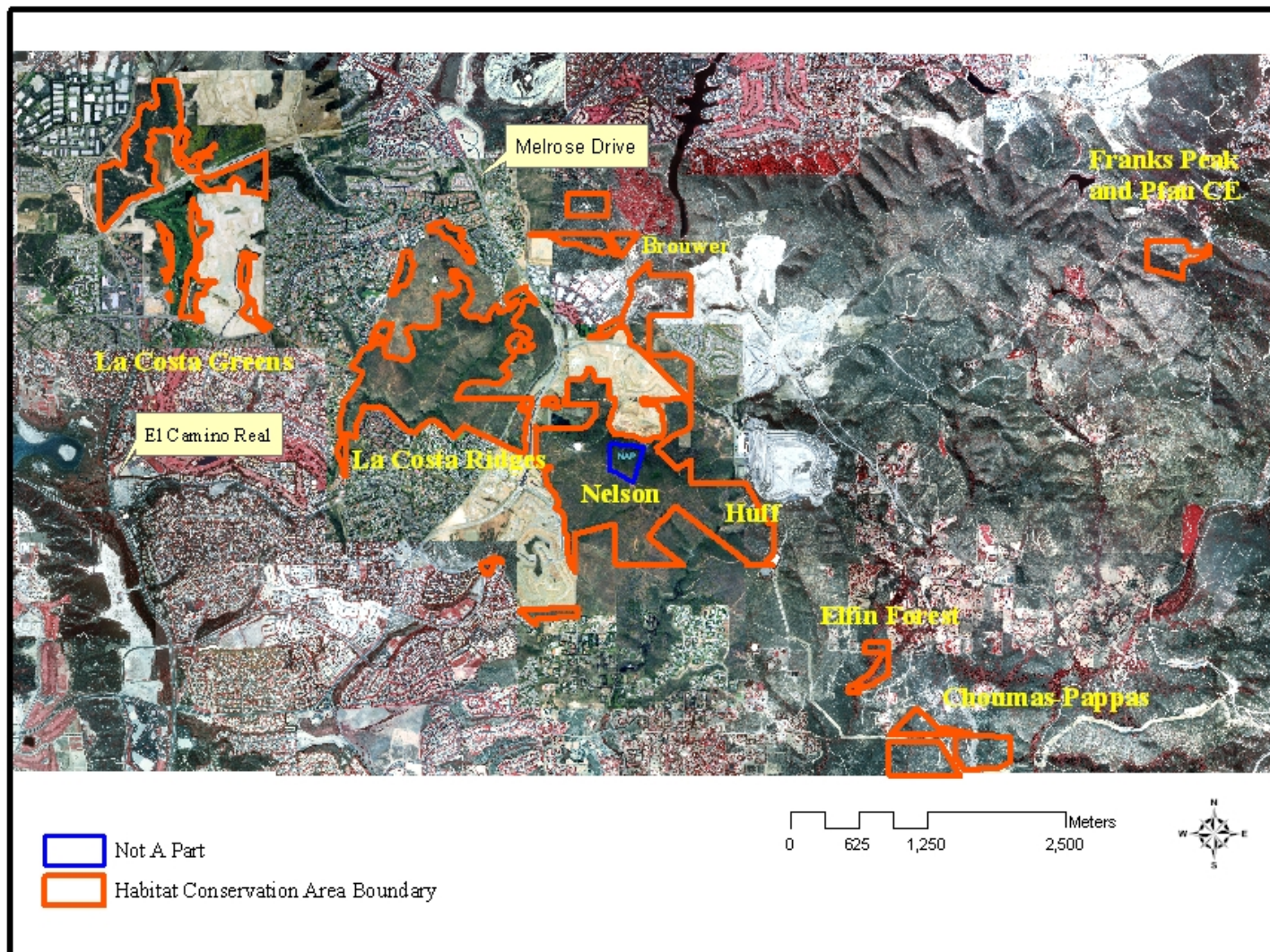


Figure 2. Preserve Location

Biological Monitoring



- ◆ Goal: Track changes over time
 - Herp arrays
 - Bird surveys
 - Ant surveys
 - Vegetation Monitoring
 - Sensitive Plant Species Habitat Analysis
 - Wildlife Movement

Animals

- ◆ CNLM preserves support over 30 gnatcatcher pair in Carlsbad
- ◆ Dense population of rufous-crowned sparrows at RLC
- ◆ Active wildlife movement in the SE areas of Carlsbad
- ◆ San Diego horned lizard and spadefoot toads observed at RLC.
- ◆ Over 10 species of native ants at RLC



Sensitive Annual Plants

- ◆ Assess status of habitat supporting San Diego thornmint and thread-leaved brodiaea
- ◆ Assess changes in population sizes and distribution of these species
- ◆ Permanent plots placed within populations
- ◆ Yearly census and monitoring
- ◆ Estimate over 20,000 TLB at La Costa Greens



Sensitive Shrubs

- ◆ Map and estimate population size and distribution
- ◆ Determine threats
- ◆ Develop long-term management strategy
- ◆ Orcutt's hazardia



Habitat Maintenance



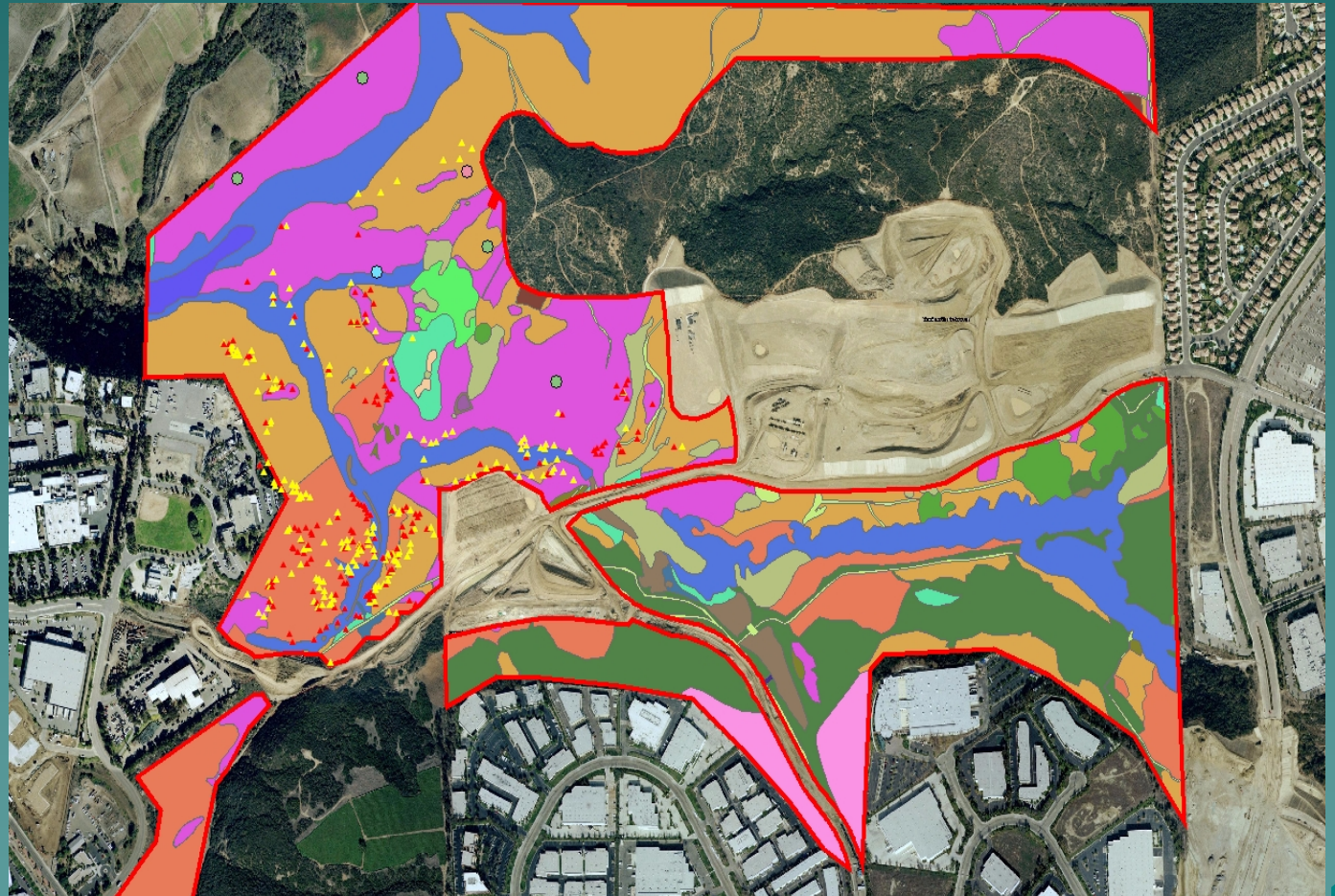
- ◆ Nonnative Plant Removal
 - Pampas
 - Fennel
 - Tamarisk
 - Artichoke thistle
 - Eucalyptus
- ◆ Erosion Control
- ◆ Fuel Management

La Costa Greens Tamarisk Removal



Reporting and Budgets

- ◆ CNLM submits annual work plans and reports for each Preserve
- ◆ Our endowments have kept up with inflation
- ◆ We're current on our management plans
- ◆ We actively use, and keep current, our GIS database



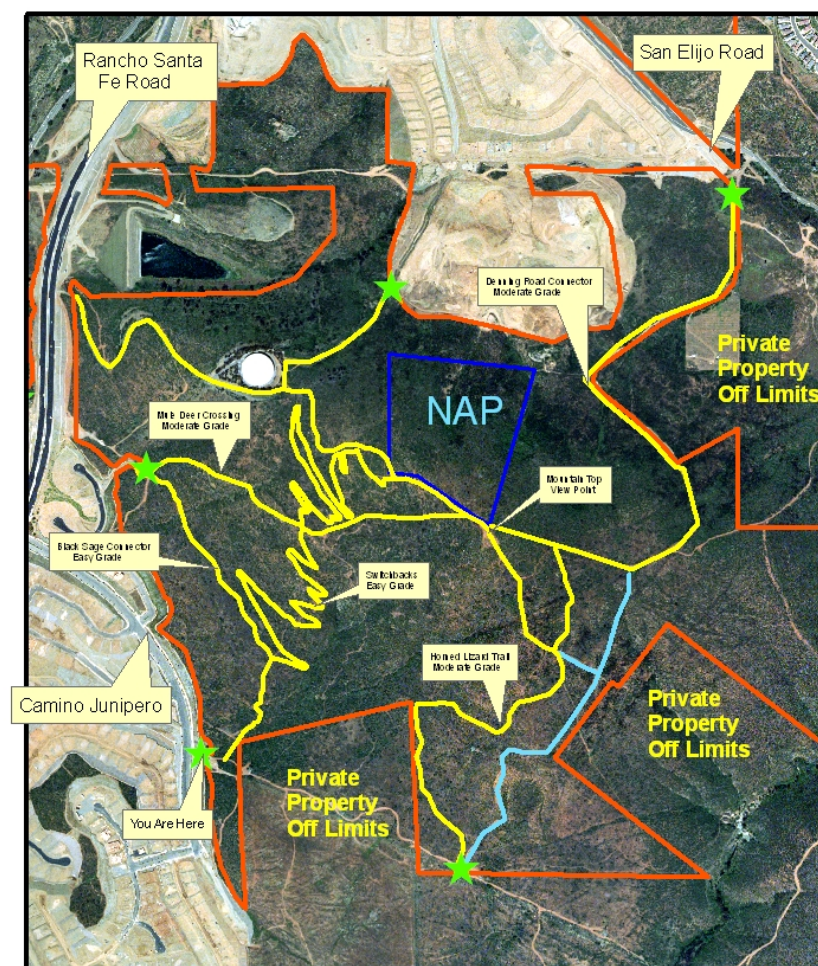
Volunteer Events



Trails



Rancho La Costa Habitat Conservation Area
Trail Map



★ Trail Access Points

— Designated Trail

— Habitat Restoration Project

□ Not A Part of the Preserve

□ Rancho La Costa Habitat Conservation Area Boundary



Rancho La Costa



◆ Habitat Protection

- Regular patrols to minimize negative human impacts
- We work closely with HOA's dealing with edge issues
- Vandalism and off-trail issues is our number 1 problem
- Close coordination with Police on homeless encampment issue
- Working closely with the City and other groups to promote the idea of City-hired Rangers

